

Title (en)
Wiper for vehicle windows

Title (de)
Wischer für ein Fahrzeugfenster

Title (fr)
Balai d'essuyage pour vitres de véhicule

Publication
EP 2712774 B1 20160907 (FR)

Application
EP 13199250 A 20090323

Priority
• FR 0801632 A 20080326
• EP 09723955 A 20090323

Abstract (en)
[origin: WO2009118286A1] The invention relates to a wiper for vehicle windows that comprises structural members comprising at least: a longitudinal substrate (10); a stiffening rod (20) arranged as an extension of said substrate (10); a wiping blade (30) attached to said substrate (10); an accessory (40) including at least one tube (42a, 42b) for spraying a washing liquid, said accessory (40) being assembled on said substrate (10). According to the invention, the wiper further includes means (60a, 60b) for heating the washing liquid, said heating means being included in the tubes (42a, 42b) of the accessory (40).

IPC 8 full level
B60S 1/38 (2006.01); **B60S 1/52** (2006.01)

CPC (source: EP US)
B60S 1/3805 (2013.01 - EP US); **B60S 1/381** (2013.01 - EP US); **B60S 1/3881** (2013.01 - EP US); **B60S 1/524** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009118286 A1 20091001; BR PI0909086 A2 20150929; CN 101980900 A 20110223; CN 103909905 A 20140709; CN 103909905 B 20160817; EP 2268512 A1 20110105; EP 2268512 B1 20140305; EP 2712774 A2 20140402; EP 2712774 A3 20141008; EP 2712774 B1 20160907; EP 2712775 A2 20140402; EP 2712775 A3 20140827; EP 2712775 B1 20160907; ES 2464101 T3 20140530; FR 2929215 A1 20091002; FR 2929215 B1 20100402; HU E032201 T2 20170928; HU E032202 T2 20170928; JP 2011515274 A 20110519; JP 5475751 B2 20140416; KR 101579996 B1 20151223; KR 20100125433 A 20101130; MX 2010010477 A 20101020; PL 2268512 T3 20140731; PL 2712774 T3 20170630; PL 2712775 T3 20170630; RU 2010143569 A 20120510; RU 2502620 C2 20131227; US 2011016653 A1 20110127; US 8499407 B2 20130806

DOCDB simple family (application)
EP 2009053370 W 20090323; BR PI0909086 A 20090323; CN 200980110039 A 20090323; CN 201410148098 A 20090323; EP 09723955 A 20090323; EP 13199250 A 20090323; EP 13199252 A 20090323; ES 09723955 T 20090323; FR 0801632 A 20080326; HU E13199250 A 20090323; HU E13199252 A 20090323; JP 2011501186 A 20090323; KR 20107023429 A 20090323; MX 2010010477 A 20090323; PL 09723955 T 20090323; PL 13199250 T 20090323; PL 13199252 T 20090323; RU 2010143569 A 20090323; US 93358709 A 20090323